

## MILL TEST CERTIFICATE

Certificate No: #20160118

Date: 2016/1/18

Purchasing Company					P.I./P.O.No.		Batch Number		HJ2016T1109-3	
Commodity			Material	Condition	Size & Specification	Quantity	Products Standard		Temperature	
Titanium wire, Acid Washing, Annealed			Gr23	M	Dia 1.2mm x L.	200KGS	ASTM F136		18°C	
Titanium wire, Acid Washing, Annealed					Dia 1.6mm x L.	260KGS	ASTM F136			
Chemical Composition (WT. %)										
TI Balance Ref. ASTM	Item	Fe	C	N	H	O	AL	V	Residuals	
	Size	0.25Max	0.08 Max.	0.05 Max.	0.012 Max.	0.13 Max.	5.5-6.50	3.5-4.5	Each (≤0.1)	Total (≤0.4)
	Dia 1.2mm x L (coil)	0.042	0.023	0.027	0.001	0.08	5.86	3.94	≤0.1	≤0.4
Dia 1.6mm x L.(coil)										
Mechanical Strength										
Inspection Item	Tensile Strength		0.2 Yield Strength		Elongation		Reduction of area		/	/
	(Rm/Mpa)		Rp0.2/Mpa		A(%)		Z(%) min.		/	/
Requirement	860		795		10 Min		/		/	/
Dia 1.2mm x L. (Coil)	1075		930		22		/		/	/
Dia 1.6mm x L. (Coil)	1070		925		20		/		/	/
Other Testing										
Testing Item	Dimensional Inspection		Surface Measurement		Micro Structure		Surface Contamination		Ultrasonic Test	
Result	ACCEPTABLE		ACCEPTABLE		ACCEPTABLE		ACCEPTABLE		/	

Hereby certify this product conforms to all specifically listed technical requirements, and other requirements for these specifications. Furthermore, we certify that the above stated quantitative results were derived from testing and analysis and are accordance with the reference specification requirements

